

Title (en)
ARRANGEMENT IN AN ELEVATOR WITHOUT COUNTERWEIGHT

Title (de)
VORRICHTUNG IN EINEM AUFZUG OHNE GEGENGEWICHT

Title (fr)
DISPOSITIF DANS UN ASCENSEUR SANS CONTREPOIDS

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Application
EP 07788710 A 20070614

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Abstract (en)
[origin: WO2008000886A2] The present invention relates to an arrangement in an elevator without counterweight, which comprises at least a control unit (5) , a hoisting machine (3) and a traction sheave (4) connected to it, and an elevator car (1) suspended on hoisting ropes (2) fixed to an essentially immovable place at their first ends and adjustably at their second ends, which elevator car (1) is fitted to travel backwards and forwards in an essentially vertical direction, and which elevator also comprises a tightening element (15) acting on the second end of the hoisting ropes (2) . An actively operating actuator (17, 21, 24, 29) is in connection with the tightening element (15) , which is fitted by means of feedback to keep the rope tension essentially at a predetermined level either by lightening or tightening the rope tension according to changes in the loading.

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